

Numbers, Not Stories

Standard Biological Parts for CDP

“In 1910, I was in Mexico, in the state of Yucatan, when an invasion of locusts occurred; the Indians reported to me that in a certain place the ground was strewn with the corpses of these insects. I went there and collected sick locusts, easily picked out since their principal symptom was an abundant blackish diarrhoea. This malady had not as yet been described, so I studied it. It was a septicaemia with intestinal symptoms, it was caused by bacteria, the locust coccobacilli, which were present almost in the pure state in the diarrhoeal liquid. I could start epidemics in columns of healthy insects by dusting cultures of the coccobacillus on plants in front of the advancing columns: the insects infected themselves as they devoured the soiled plants...

In the course of these researches, at various times I noticed an anomaly, shown by some cultures of the coccobacillus which intrigued me greatly, although in fact the observation was ordinary enough, so banal indeed that many bacteriologists had certainly made it before on a variety of cultures. The anomaly consisted of clear spots, quite circular, two or three millimeters in diameter, speckling the cultures grown on agar.”

From The Bacteriophage by Dr. Felix d'Herelle, Science News 14: 44-59 (1949). (Translation by J. L. Crammer)

Registry of Parts

<http://parts.mit.edu>

Numbers, Not Stories

Standard Assembly

B0034

C0072

C0051

R0015

E2100

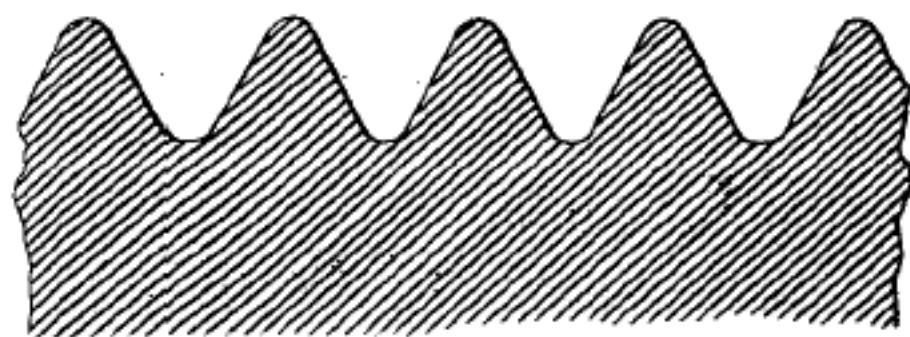
ON A SYSTEM OF SCREW THREADS AND NUTS.

BY WILLIAM SELLERS.

[Read before the FRANKLIN INSTITUTE, April 21, 1864.]

The importance of a uniform system of screw threads and nuts is so generally acknowledged by the engineering profession, that it needs no argument to set forth its advantages; and in offering any plan for their acceptance, it remains only to demonstrate its practicability and its superiority over any of the numerous special proportions now used by the different manufacturers. In this country no organized attempt has as yet been made to establish any system, each manufacturer having adopted whatever his judgment may have dictated as the best,

— FIG. 2 —



— FIG. 3 —



B0034-C0072-C0051-R0015-E2100

ACT AGA	Thr Arg
xAC TAG Axx	Stop
xxA CTA GAx	Leu Asp/Glu

```
--gca G  *AATTC GCGGCCGC T TCTAGA G--insert--T A  *CTAGA G---- 3'
--cgt CTTAA*  G CGCCGGCG A ACATCT C--insert--A TGATC*   T C---- 5'
      EcoRI      NotI      XbaI      Mixed
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```
5' --gca GAATTC GCGGCCGC T TCTAGA G --insert-- T ACTAGT A GCGGCCGC CTGCAG gct--
--cgt CTTAAG CGCCGGCG A ACATCT C ----- A TGATCA T CGCCGGC GACGTC cga--
      EcoRI  NotI      XbaI                      SpeI      NotI      PstI
```

```
5' --T A  *CTAGA G --insert-- T ACTAGT A GCGGCCGC CTGCA  *G gct-
3' --A TGATC*  T C --insert-- A TGATCA T CGCCGGC G*  ACGTC cga-
      Mixed                      SpeI      NotI      PstI
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Note. Parts and plasmids must not contain EcoRI, XbaI, SpeI, or PstI sites.

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Standard Assembly

Using the Registry

Registry of Parts

<http://parts.mit.edu>

Numbers, Not Stories

Standard Assembly

Using the Registry

Parts Composition